CLAIMS

1. A ceramic heater comprising a ceramic substrate and a resistance heating body formed on a surface thereof, characterized in that a scattering of a thickness of the resistance heating body is within a range of ± 50% of an average thickness.

2. A ceramic heater according to claim 1, wherein the resistance heating body is formed on a face of the ceramic substrate opposite to a heating face thereof.

3. A ceramic heater according to claim 1, wherein the ceramic substrate is a carbide or nitride ceramic.

4. A ceramic heater according to claim 1, wherein the ceramic substrate has a thickness of not more than 25 mm.

5. A ceramic heater according to claim 1, wherein an insulating layer of an oxide ceramic is formed on the surface of the ceramic substrate and the resistance heating body is formed on a surface of the insulating layer.

6. A ceramic heater according to claim 1, wherein the resistance heating body is constructed by two or more circuits.

7. A ceramic heater comprising a ceramic substrate and a resistance heating body formed on a surface thereof, characterized in that a surface roughness of the resistance heating body is within a range of 0.05 μm-100 μm as Rmax and not more than 50% of an average thickness of the resistance heating body.

8. A ceramic heater according to claim 7, wherein the resistance heating body is formed on a face of the ceramic substrate opposite to a heating face thereof.

9. A ceramic heater according to claim 7, wherein the ceramic substrate is a carbide or nitride ceramic.

10. A ceramic heater according to claim 7, wherein the ceramic substrate has a thickness of not more than 25 mm.

11. A ceramic heater according to claim 7, wherein

an insulating lay r of an oxide ceramic is formed on the surface of th ceramic substrate and the r sistance h ating body is formed on a surface of the insulating layer.

12. A ceramic heater according to claim 7, wherein the resistance heating body is constructed by two or more circuits.

13. A ceramic heater comprising a ceramic substrate and a resistance heating body formed on a surface thereof, characterized in that a scattering of a thickness of the resistance heating body is within a range of ± 50% of an average thickness and a surface roughness of the resistance heating body is within a range of 0.05 μm–100 μm as Rmax and not more than 50% of an average thickness of the resistance heating body.

14. A ceramic heater according to claim 13, wherein the resistance heating body is formed on a face of the ceramic substrate opposite to a heating face thereof.

15. A ceramic heater according to claim 13, wherein the ceramic substrate is a carbide or nitride ceramic.

16. A ceramic heater according to claim 13, wherein the ceramic substrate has a thickness of not more than 25 mm.

17. A ceramic heater according to claim 13, wherein an insulating layer of an oxide ceramic is formed on the surface of the ceramic substrate and the resistance heating body is formed on a surface of the insulating layer.

18. A ceramic heater according to claim 13, wherein the resistance heating body is constructed by two or more circuits.